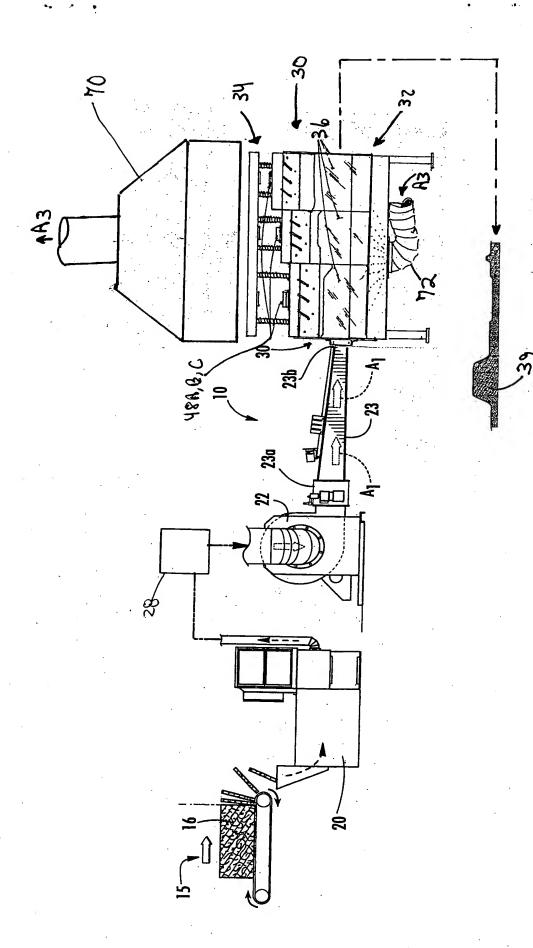
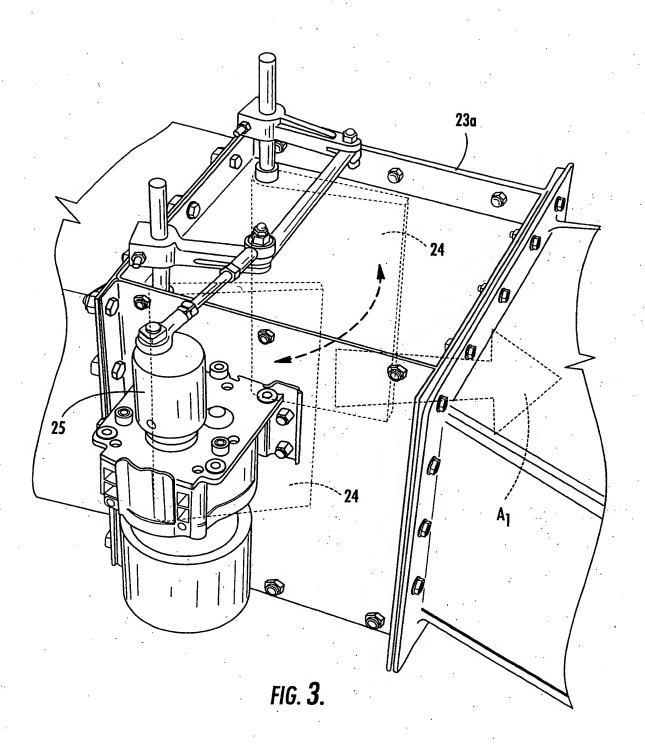
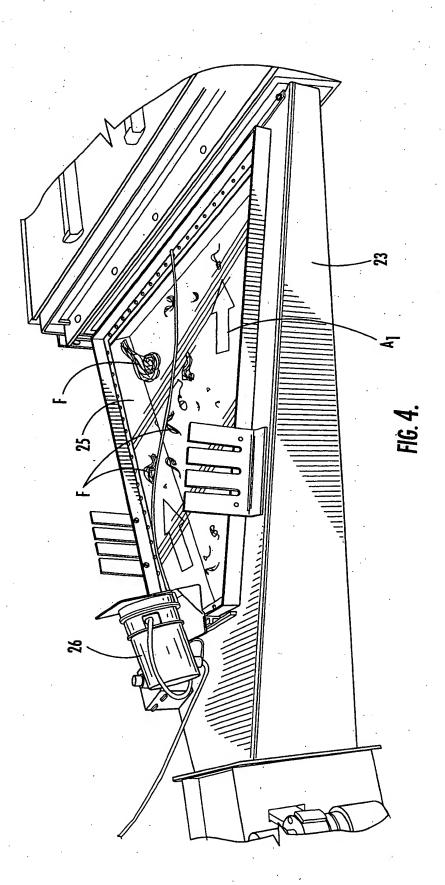
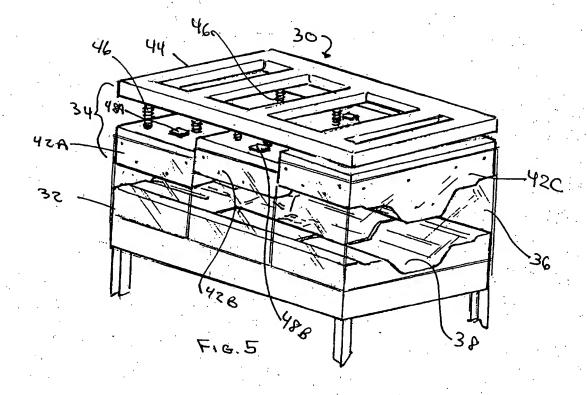
Fig. 1

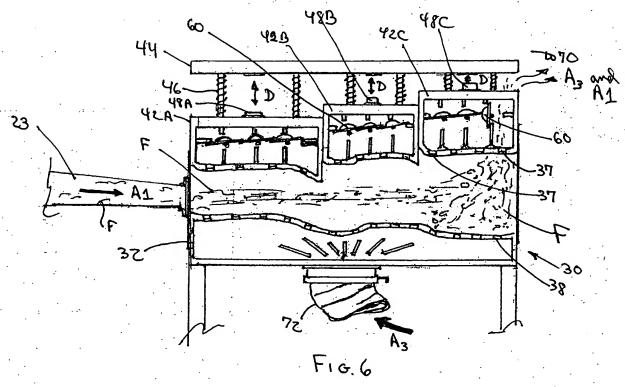


16. 2 19. 2









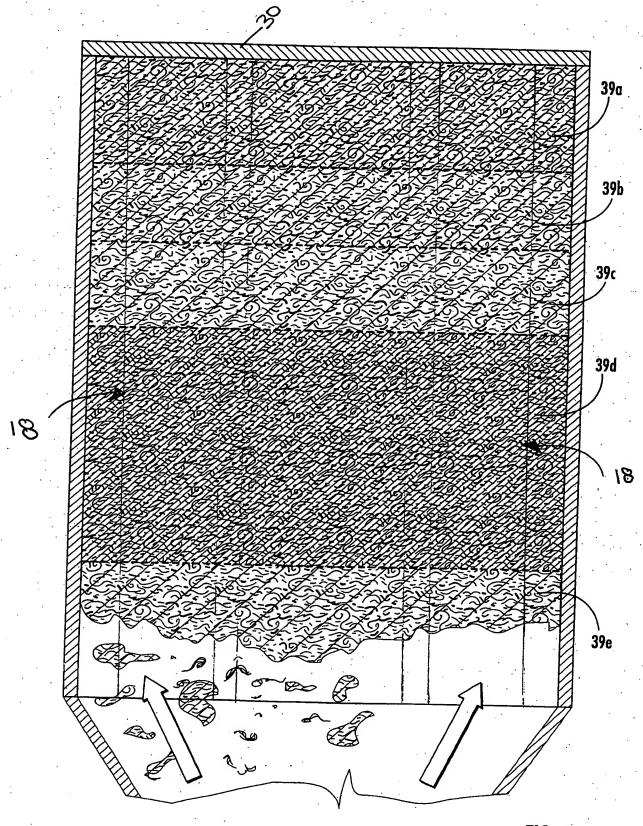
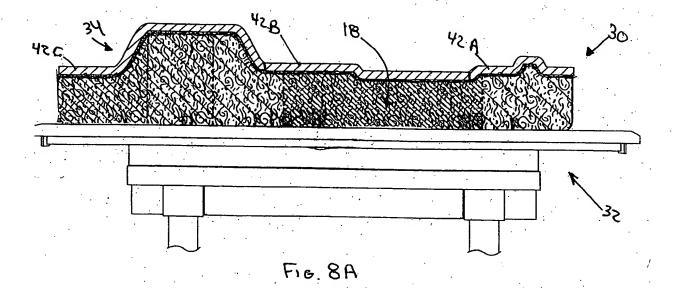
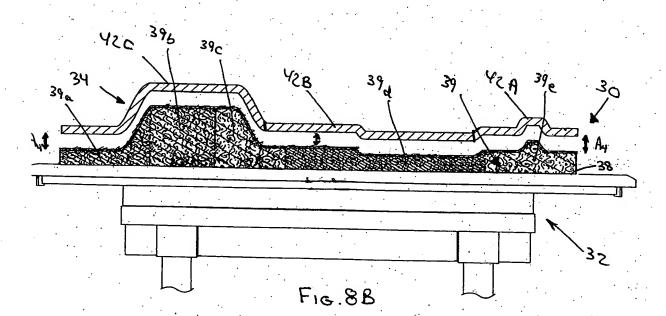
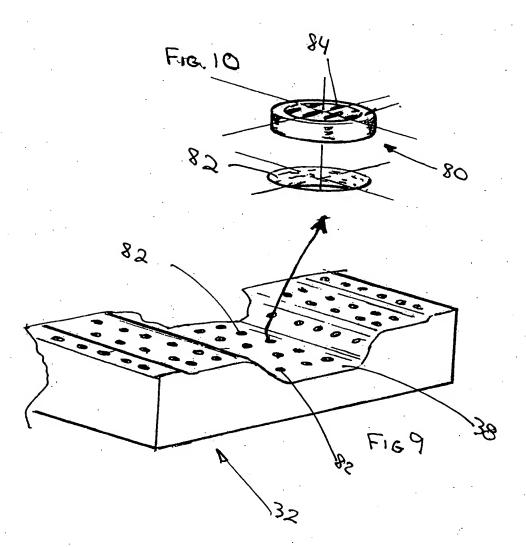


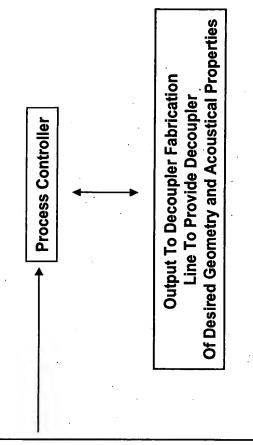
FIG. 7











Preform Geometry

Decoupler Geometry

Desired Density in Decoupler At Selected

Locations

· Fib r Feed Rate

Fiber Composition

Softening Characteristics of Binder

· Fiber Physical Characteristics (Denier)

• Exposure Time For Perforated Portions of

Air flow Velocity & Temperature

Vacuum/Pressure Combination In Mold

Dimensions of Decoupler At Selected

Locations

Degree of Compression of Preform to Form

D coupler

Oven Temperature & Airflow Rate

Acoustic Characteristics of Decoupler

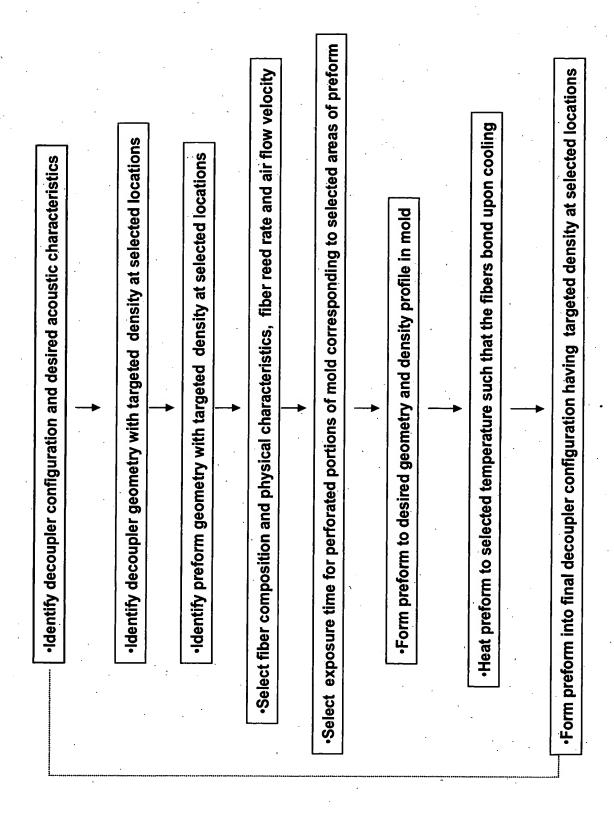


FIG. 12